

# Assurance Process Matrix Example

## (Pluto New Horizons- Fall 2006)

Pluto New Horizons Assurance Process Matrix				TABLE 1.12	
Ref.	Mission Phase	Description	Levels of Independence	Depth of Penetration	Point of Contact
9.1 V9.1	8-9	<b>NASA Launch Manager</b> Responsible for the following: (1) Coordinating participation of the spacecraft customer, LSP, contractors, range safety, weather, tracking and data, SMA, public affairs representatives, and other organizations within NASA, as appropriate, at the FRR (chair responsibility) and LRR. (2) Assuring all representatives sign the COFR at the conclusion of the LRR. Signatories to the COFR shall include the NASA Spacecraft Mission Director, the NLM, the Launch Services Contractor, the NASA SMA representative, and a range official. (3) Developing and coordinating a pre-mishap plan prior to the LRR, which addresses the immediate launch site reaction to a launch vehicle anomaly and requisite data impoundment process. The plan is coordinated with the NASA Spacecraft Mission Director in accordance with NPR 8621.1. (4) Conducting the Final Commit-to-Launch Poll. The NLM provides the final launch commitment to the launch services contractor Launch Director. This final poll shall include the NASA Spacecraft Mission Director, NASA Advisory Team, NASA SMA representative, and other NASA organizations involved in the countdown. (NPD 8610.24B)	Level 1 Financial: Organizationally Funded Managerial: Reports to KSC LS Program Office	Level 1 Reviews minimum set of information to assure compliance.	Chuck Dovale
10	1-10	<b>Ball Aerospace</b> Provides the Ralph instrument which consists a visible imager (MVIC) and an IR mapping spectrometer (LEISA) under a subcontract to Southwest Research Institute (SwRI).	Level 0 Financial: Funded by project Managerial: Reports to Project Manager	Level 3-5 Involved in active review of completed tasks, In-depth involvement with significant issues	TBD
11	1-10	<b>Southwest Research Institute (SwRI)</b> Provides the Alice Ultraviolet Spectrograph and the Solar Wind Around Pluto (SWAP) particle spectrometer. Also, provides contract mission assurance oversight of the Radio Science Experiment developed by Stanford University and of the Student Dust Counter (SDC) developed by the Laboratory of Atmospheric and Space Physics (LASP) at the University of Colorado Boulder.	Level 0 Financial: Funded by project Managerial: Reports to Project Manager	Level 3-5 Involved in active review of completed tasks, In-depth involvement with significant issues	John Stone
12	1-10	<b>Applied Physics Laboratory (APL)</b> Provides the Long Range Reconnaissance Imager (LORRI) and the Pluto Energetic Particle Spectrometer Investigation (PEPSSI) instruments.	Level 0 Financial: Funded by project Managerial: Reports to Project Manager	Level 3-5 Involved in active review of completed tasks, In-depth involvement with significant issues	Jim Kinnison